

Optimizing Your Solar System

You want a Solar System!

What size should it be?
How can you lower the Solar Cost?

Helio Energy Solutions Optimizes Solar Generation

Save \$10 in solar generation costs for every \$1 spent on optimization. Don't waste money on a one-size-fits-all solar system. Our Engineers evaluate your utility billing and rate schedule; then we determine through monitoring your actual energy use, load profile and how you use energy allowing us to define the best energy efficiency (EE) opportunities. Using our Targeted Solar Optimization process we then set target cost reductions in energy and power, and determine the best solar system sizing and configuration.

The results are; lowered energy cost, and lower solar system cost.

Food Manufacturer Optimization Model Results

SOLAR		EE	
kWh	98,000	kWh	102,000
After Incentives	\$243,750	After Incentives	\$62,500
Annual Savings	\$14,655	Annual Savings	\$13,850
Payback	17 years	Payback	3.9 years

Solar and EE		Solar Only	
kWh	200,000	kWh Target	200,000
After Incentives	\$306,250	After Incentives	\$498,750
Annual Savings	\$28,505	Annual Savings	\$29,988
EE Payback	10.7years	Payback Increase	17 years

This food manufacturer saw a payback improvement of 6.5 years, and a system cost reduction of 38% using our Targeted Optimization Process.

Targeted Optimization Process

Evaluate utility billing
Review current rate schedule
Determine your power usage and current load profile through monitoring
Determine energy efficiency (EE) opportunities to reduce energy use/cost
Provide solar optimization sizing and configuration

For more details on how Power Advisor can reduce your energy cost

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